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61 [Ontology and rule based retrieval of sound objects in augmented audio reality system for museum visitors](#)
[Marek Hatala](#), [Lella Katanfari](#), [Ron Wakkary](#), [Kenneth Newby](#)

 March 2004 **SAC '04**: Proceedings of the 2004 ACM symposium on Applied computing

Publisher: ACM [Request Permissions](#)

 Full text available: [Pdf](#) (130.48 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)
Bibliometrics: Downloads (6 Weeks): 10, Downloads (12 Months): 88, Downloads (Overall): 953, Citation Count: 5

ec(h)o is an "augmented reality interface" utilizing spatialized soundscapes and a semantic web approach to information. The initial prototype is designed for a natural history and science museum. The platform is designed to create a museum experience ...

Keywords: augmented audio reality, inference rules, ontologies, user model

62 ["Oh what a tangled Web we weave..."](#)
[Dennis Fowler](#)

 March 2004 **netWorker**, Volume 8 Issue 1

Publisher: ACM [Request Permissions](#)

 Full text available: [Pdf](#) (104.64 KB)

 Additional Information: [full citation](#), [index terms](#)
Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 22, Downloads (Overall): 140, Citation Count: 0

63 [Efficient ordering for XML data](#)
[Damien K. Fisher](#), [Franky Lam](#), [William M. Shui](#), [Raymond K. Wong](#)

 November 2003 **CIKM '03**: Proceedings of the twelfth international conference on Information and knowledge management

Publisher: ACM [Request Permissions](#)

 Full text available: [Pdf](#) (127.44 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)
Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 25, Downloads (Overall): 1157, Citation Count: 2

With the increasing popularity of XML, there arises the need for managing and querying information in this form. Several query languages, such as XQuery, have been proposed which return their results in document order. However, most recent efforts focused ...

Keywords: XML, dynamic, order maintenance, semi-structured data

64 [Can text analysis tell us something about technology progress?](#)
[Khurshid Anwar](#), [AbdulMohsen Al-Thubaity](#)

 July 2003 **Proceedings of the ACL-2003 workshop on Patent corpus processing - Volume 20**, Volume 20

Publisher: Association for Computational Linguistics

 Full text available: [Publisher Site](#), [Pdf](#) (113.62 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)
Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 27, Downloads (Overall): 166, Citation Count: 1

A corpus-based diachronic analysis of patent documents, based mainly on the morphologically productive use of certain terms can help in tracking the evolution of key developments in a rapidly evolving specialist field. The patent texts were obtained ...

65 [When you can't talk to customers: using storyboards and narratives to elicit empathy for users](#)
[Heather L. McQuaid](#), [Aradhana Geel](#), [Mickey McManus](#)

 June 2003 **DPPI '03**: Proceedings of the 2003 international conference on Designing pleasurable products and interfaces

Publisher: ACM [Request Permissions](#)

 Full text available: [Pdf](#) (750.32 KB)

 Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)
Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 150, Downloads (Overall): 1859, Citation Count: 3

Although an essential part of customer-centered design is the customers themselves, in some circumstances, talking with them is not always an option. What can designers do in such situations to better understand peoples' physical, cognitive, and emotional ...

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Keywords: contextual inquiry, direct-experience story-boarding, ethnographic research, human-centered design, information architecture, interdisciplinary, interviews, library, narratives, personas, scenarios, storyboards, task analysis, tiger teams, user-centered design

66 [Taxonomies for automated question triage in digital reference](#)

[Jeffrey Pomerantz](#), [B. David Lankes](#)

May 2003 **JCDL '03**: Proceedings of the 3rd ACM/IEEE-CS joint conference on Digital libraries

Publisher: IEEE Computer Society


Full text available:  [PDF](#) (147.10 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 20, Downloads (Overall): 366, Citation Count: 0


This study identifies (1) several taxonomies of questions at different levels of linguistic analysis, according to which questions received by digital reference services are classified, and (2) a simple categorization of triage recipients. The utility ...

67 [On labeling schemes for the semantic web](#)

 [Vassilis Christophides](#), [Dimitris Plexousakis](#), Michel Scholl, [Sotirios Tourtouris](#)

May 2003 **WWW '03**: Proceedings of the 12th international conference on World Wide Web

Publisher: ACM

Full text available:  [PDF](#) (294.32 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 42, Downloads (Overall): 584, Citation Count: 19


This paper focuses on the optimization of the navigation through voluminous subsumption hierarchies of topics employed by Portal Catalogs like Netscape Open Directory (ODP). We advocate for the use of labeling schemes for modeling these hierarchies in ...

68 [Designing a metadata-driven visual information browser for federal statistics](#)

[Bill Kules](#), [Ben Schneiderman](#)

May 2003 **dg.o '03**: Proceedings of the 2003 annual national conference on Digital government research

Publisher: Digital Government Research Center

Full text available:  [PDF](#) (55.41 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 19, Downloads (Overall): 126, Citation Count: 2


When looking for federal statistics, finding the right table, chart or report can be a daunting task for anyone not thoroughly familiar with the federal statistical system. Search tools help, but differing terminologies within the statistical agencies ...

69 [The WEBWORKFORCE: a learning repository to support educators, trainers and information technology courses](#)

[John P. Bell](#), [Don Schauder](#)

January 2003 **ACE '03: Proceedings of the fifth Australasian conference on Computing education - Volume 20**, Volume 20

Publisher: Australian Computer Society, Inc.

Full text available:  [PDF](#) (726.10 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 17, Downloads (Overall): 144, Citation Count: 3

This paper provides a first account of the Building the Internet Workforce project. A number of further papers are planned. An outline of the project's progress and outcomes is provided and the WEBWORKFORCE Learning Repository, a major deliverable of ...


Keywords: digital libraries, digital repositories, elearning tools, information technology curriculum, learning repositories, subject gateways

70 [Early user-system interaction for database selection in massive domain-specific online environments](#)

 [Jack G. Conrad](#), [Joanne R. S. Claussen](#)

January 2003 **Transactions on Information Systems (TOIS)**, Volume 21 Issue 1

Publisher: ACM  [Request Permissions](#)

Full text available:  [PDF](#) (845.54 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 44, Downloads (Overall): 920, Citation Count: 1

The continued growth of very large data environments such as Westlaw and Dialog, in addition to the World Wide Web, increases the importance of effective and efficient database selection and searching. Current research focuses largely on completely autonomous ...

Keywords: Database selection, metadata for retrieval, structuring information to aid search and navigation, user interaction


71 [SilkRoute: A framework for publishing relational data in XML](#)

 [Mary Fernández](#), [Yana Kadivska](#), [Dan Suciu](#), [Atsuyuki Morishima](#), [Wang-Chiew Tan](#)



December 2002 **Transactions on Database Systems (TODS)**, Volume 27 Issue 4

Publisher: ACM  [Request Permissions](#)



Full text available:

 [Pdf](#) (687.91 KB)
Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 95, Downloads (Overall): 1519, Citation Count: 44



XML is the "lingua franca" for data exchange between interenterprise applications. In this work, we describe SilkRoute, a framework for publishing relational data in XML. In SilkRoute, relational data is published in three steps: the relational tables ...

Keywords: XML, XML storage systems, XQuery**72** [A mapping schema and interface for XML stores](#) [Sihem Amer-Yahia, Divesh Srivastava](#)November 2002 **WIDM '02**: Proceedings of the 4th international workshop on Web information and data management**Publisher:** ACM  [Request Permissions](#)Full text available:  [Pdf](#) (204.06 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 22, Downloads (Overall): 781, Citation Count: 3



Most XML storage efforts have focused on mapping documents to relational databases. Mapping choices range from storing documents verbatim to shredding documents into relations in various ways. These choices are usually hard-coded into each storage system ...

Keywords: XML storage/loading/publishing, XML-to-relational mapping**73** [Thesauri and ontologies in digital libraries: 1. structure and use in knowledge-based assistance to users](#) [Dagobert Sierges](#)July 2002 **JCDL '02**: Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**Publisher:** ACM  [Request Permissions](#)Full text available:  [Pdf](#) (88.94 KB)Additional Information: [full citation](#), [abstract](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 39, Downloads (Overall): 512, Citation Count: 0


This introductory tutorial is intended for anyone concerned with subject access to digital libraries. It provides a bridge by presenting methods of subject access as treated in an information studies program for those coming to digital libraries from ...


Keywords: classification, conceptual structure, ontology, taxonomy, user assistance**74** [Compound descriptors in context: a matching function for classifications and thesauri](#) [Douglas Tudhope, Ceri Binding, Dorothea Blocks, Daniel Gunille](#)July 2002 **JCDL '02**: Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**Publisher:** ACM  [Request Permissions](#)Full text available:  [Pdf](#) (315.09 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 29, Downloads (Overall): 647, Citation Count: 1

There are many advantages for Digital Libraries in indexing with classifications or thesauri, but some current disincentive in the lack of flexible retrieval tools that deal with compound descriptors. This paper discusses a matching function for compound ...

Keywords: compound descriptors, faceted classification, knowledge organization systems, matching functions, postcoordination, precoordination, semantic distance measures, similarity coefficients, term expansion**75** [Cross-cultural usability of the library metaphor](#) [Eike Duncker](#)July 2002 **JCDL '02**: Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries**Publisher:** ACM  [Request Permissions](#)Full text available:  [Pdf](#) (202.45 KB)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 12, Downloads (12 Months): 188, Downloads (Overall): 1985, Citation Count: 12

Computing metaphors have become an integral part of information systems design, yet they are deeply rooted in cultural practices. This paper presents an investigation of the cross-cultural use and usability of such metaphors by studying the library metaphor ...

Keywords: computing metaphor, cross-cultural usability, digital library, globalization, indigenous culture, localization**76** [Storing and querying ordered XML using a relational database system](#) [Igor Tatarinov, Stratis D. Viglas, Kevin Bever, Jayavel Shanmugasundaram, Eugene Shekita, Chun Zhang](#)June 2002 **SIGMOD '02**: Proceedings of the 2002 ACM SIGMOD international conference on Management of data**Publisher:** ACM  [Request Permissions](#)

Full text available:  Pdf (1.38 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [index terms](#)

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 240, Downloads (Overall): 2922, Citation Count: 139


XML is quickly becoming the *de facto* standard for data exchange over the Internet. This is creating a new set of data management requirements involving XML, such as the need to store and query XML documents. Researchers have proposed using relational ...

77 [Book reviews: Abduction, belief and context in dialogue: studies in computational pragmatics](#)

[Matthew Stone](#)

March 2002 **Computational Linguistics**, Volume 28 Issue 1

Publisher: MIT Press

Full text available:  Pdf (245.85 KB)

Additional Information: [full citation](#), [references](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 15, Downloads (Overall): 97, Citation Count: 0

78 [Book reviews: Polysemy: theoretical and computational approaches](#)

[Jean Véronis](#)

March 2002 **Computational Linguistics**, Volume 28 Issue 1

Publisher: MIT Press

Full text available:  Pdf (245.85 KB)

Additional Information: [full citation](#), [references](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 18, Downloads (Overall): 1131, Citation Count: 0

79 [Book reviews: Tree adjoining grammars: formalisms, linguistic analysis and processing](#)

[Geoffrey K. Pullum](#)

March 2002 **Computational Linguistics**, Volume 28 Issue 1

Publisher: MIT Press

Full text available:  Pdf (245.85 KB)

Additional Information: [full citation](#), [references](#), [index terms](#)


Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 16, Downloads (Overall): 93, Citation Count: 0

80 [Book reviews: Intonation: analysis, modelling and technology](#)

[Martina Grice](#)

March 2002 **Computational Linguistics**, Volume 28 Issue 1

Publisher: MIT Press

Full text available:  Pdf (245.85 KB)





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Bibliometrics: Downloads (6 Weeks): 0, Downloads (12 Months): 22, Downloads (Overall): 100, Citation Count: 0

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